



Reconstruction of an Existing Hay Barn

PROJECT TITLE	Ferne Animal Sanctuary
CLIENT	Ferne Animal Sanctuary
ARCHITECT	David Wilson Partnership
CONTRACT VALUE	£67,889
DURATION OF WORKS	6 weeks
COMPLETED	September 2019
CONTRACT NO.	1633

The overall project goal was to demolish the existing hay barn to create a new hay barn with increased height. The works involved the removal of the existing asbestos roof coverings; metal cladding and steel frame dual pitch roof structure. The existing blockwork and lower section of steel was left in place.

A new steel frame was constructed with a single pitched roof structure so the clear height space could be raised to allow for the barn to be loaded by mechanical means and had to be a minimum of 4500mm from finished floor to the bottom of the steel girder. The new barn was then cladded in powder coated steel sheeting on 3 sides, new Euro Six Fibre Cement Sheet.

The front is open with Manual Roller type gale breakers installed to the front and 8 new metal gates. The existing foundations were found to require expansion to deal with the loads generated by the uplift from the redesign from dual to mono pitch roof, these were calculated and constructed in line with the structural engineer specifications.